



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **06100887**(71) Applicant: **RICOH OPT IND CO LTD**(22) Date of filing: **16.05.94**(72) Inventor: **TAKAHASHI YASUSHI**(54) **OPTICAL HOMOGENIZER**

(57) Abstract:

PURPOSE: To realize a new optical homogenizer capable of being easily manufactured at low cost.

CONSTITUTION: Rectangular prism surfaces P_0, P_1, \dots, P_i are attached closely and arrayed on one surface of a tabular transparent body in the direction orthogonal in the longitudinal direction, and the inclination of each prism surface is determined so as to symmetrically increase gradually toward both sides of the direction of an array from the central section of the array, thus forming a prism surface array. Luminous flux projected to the prism surface array has a function, in which the luminous flux is converged into a specified region S on the optical axis in the direction of the array of the prism surfaces.

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